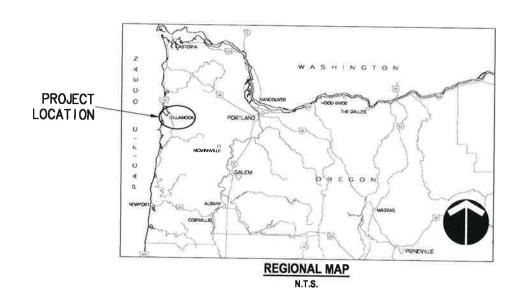
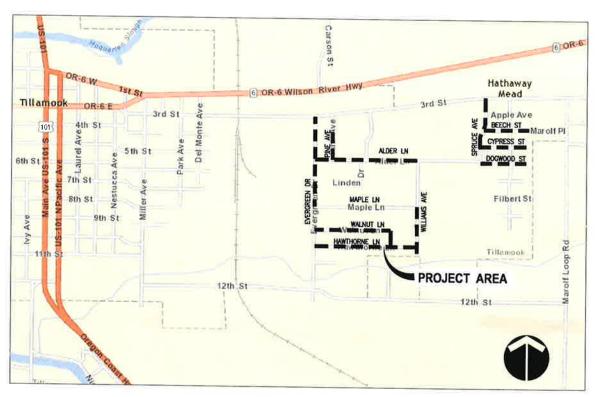
CITY OF TILLAMOOK I & I EASTSIDE REDUCTION PROJECT

TILLAMOOK, OREGON CDBG PROJECT NO. P18004 **FINAL PLANS**

SHEET NO.	DWG NO	DESCRIPTION
01	G01	COVER SHEET
02	G02	GENERAL NOTES AND LEGEND
03	G03	INDEX MAP & BID SCHEDULES
04	SC01	SURVEY CONTROL PLAN
05	C01	EVERGREEN DR, STA 45+76 - STA 49+00
06	C02	EVERGREEN DR. STA 49+00 - STA 53+00
07	C03	EVERGREEN DR. STA 53+00 - STA 57+00
08	C04	EVERGREEN DR STA 57+00 - STA 60+00
09	C05	PINE AVE. STA 180+00 - STA 183+50
10	C06	ALDER LN. STA 187+00 - STA 190+50
11	C07	ALDER LN. STA 190+50 - STA 192+50
12	COB	ALDER LN STA 192+50 - STA 195+00
13	C09	ALDER LN. STA 204+00 - STA 207+50
14	C10	ALDER LN. STA 200+00 - STA 204+00
15	C11	WALNUT LN, STA 154+00 - STA 151+00
16	C12	WALNUT LN, STA 151+00 - STA 147+50
18	C13	WALNUT LN, STA 143+50 - STA 147+50
17	C14	WALNUT LN, STA 140+00 - STA 143+00
19	C15	HAWTHORNE LN, STA 60+00 - STA 64+00
20	C16	HAWTHORNE LN. STA 64+00 - STA 68+00
21	C17	HAWTHORNE LN STA 68+00 - STA 72+00
22	C18	HAWTHORNE LN. STA 72+00 - STA 76+00
23	C19	WILLIAMS AVE. STA 80+00 - STA 83+00
24	C20	WILLIAMS AVE. STA 83+00 - STA 86+00
25	C21	SPRUCE AVE. STA 120+00 - STA 125+00
26	C22	SPRUCE AVE. STA 125+00 - STA 130+00
27	C23	BEECH ST. STA 210+00 - STA 213+00
28	C24	BEECH ST, STA 213+00 - STA 216+50
29	C25	CYPRESS AVE STA 220+00 - STA 223+00
30	C26	CYPRESS AVE. STA 223+00 - STA 226+00
31	C27	DOGWOOD AVE. STA 230+00 - STA 233+00
32	C28	DOGWOOD AVE STA 233+00 - STA 236+00
33	D01	CITY STANDARD DETAILS
34	D02	CITY STANDARD DETAILS
35	D03	CITY STANDARD DETAILS
36	D04	EROSION CONTROL STANDARD DETAILS

WORK UNDER THIS CONTRACT WILL BE FUNDED IN ITS ENTIRETY WITH FEDERAL GRANT **FUNDS FROM THE OREGON COMMUNITY** DEVELOPMENT BLOCK GRANT PROGRAM.





VICINITY MAP N.T.S.



CALL 48 HOURS BEFORE YOU DIG 1-800-424-5555



Otak, Inc.

City of Tillamook 🍍

I & I EASTSIDE REDUCTION PROJECT

GENERAL SHEETS CITY OF TILLAMOOK, TILLAMOOK COUNTY,

G01

GENERAL NOTES

- ATTENTION CONTRACTORS: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH DAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (50.3) 2.32-1897 OR 1-800-332-2344). AT LEAST TWO (2) BUSINESS DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OREGON UTILITY NOTIFICATION CENTER OF THE DATE AND LOCATION OF THE PROPOSED CONSTRUCTION, AND THE TYPE OF WORK
- ALL EXISTING FACILITIES TO BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR
 TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER.
- 3, IN ACCORDANCE WITH O.R.S.290.140, IF THE CONTRACTOR FINDS IT NECESSARY TO INTERFERE WITH OR PAVE OVER ANY ESTABLISHED PUBLIC LAND SURVEY CORNER OR ITS ACCESSORIES, WITHIN THE PROJECT LIMITS, THE CONTRACTOR SHALL NOTIFY THE COUNTY SURVEYOR PRIOR TO DOING SO.
- 4. IN ACCORDANCE WITH O.R.S.290.150, CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL SURVEY MONUMENTS DISTURBED OR DESTROYED DURING CONSTRUCTION. REPLACING THE SURVEY MONUMENTS SHALL BE DONE BY A REGISTERED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
- 5. EXISTING UTILITY LOCATIONS SHOWN (PLAN & PROFILE) ARE APPROXIMATE ONLY. NO PREDESICN POTHOLING WAS DONE TO ESTABLISH THESE LOCATIONS. CONTACT UTILITY COMPANIES FOR PREMARKING. CONTRACTOR TO POTHOLE EXISTING UTILITIES AT CONNECTION & CROSSING LOCATIONS TO VERIFY DEPTH, LOCATION & TYPE OF EXISTING WATER MAIN, SEWER MAIN & STORM MAIN PRIOR TO ORDERING CONNECTION WATERMLS. NOTIFY ENGINEER IMMEDIATELY IF EXISTING CONDITIONS VARY FROM THAT SHOWN. NOTIFY ENGINEER 24 HOURS PRIOR TO POTHOLING.
- 6. CONTRACTOR SHALL VERIFY ALL CONDITIONS ON THE JOB SITE INCLUDING ALL DIMENSIONS, CRADES, ELEVATIONS, EXTENT AND COMPATIBILITY TO THE EXISTING SITE CONDITIONS, AND WITH THE WORK DESCRIBED ON THE CONTRACT DRAWINGS. ANY DISCREPANCIES OR UNEXPLAINED CONDITIONS THAT AFFECT OR CHANGE THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY, CONTRACTOR SHALL NOT PROCEED WITH ANY OF THE WORK IN THE AREA OF DISCREPANCIES UNTIL SUCH DISCREPANCIES ARE RESOLVED. IF THE CONTRACTOR CHOOSES TO DO SO, THEN IT IS UNDERSTOOD THAT HE SHALL BE PROCEEDING AT HIS OWN RISK AND INCUR ALL COST, IF ANY, TO RESOLVE THE ISSUE TO THE SATISFACTION OF THE ENGINEER.
- TECHNICAL SPECIFICATIONS FOR CONSTRUCTION ARE TO FOLLOW THE CONTRACT SPECIFICATIONS AND THE MOST CURRENT EDITION
 OF THE IBC, UPC. OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (ODDT/APWA) SHALL BE REFERENCED WHERE CONTRACT
 SPECIFICATIONS TO NOT ADDRESS A SPECIFIC TIEM. SEE SPECIFICATIONS FOR CONSTRUCTION METHODS AND OTHER NOTES
- 8. UPON COMPLETION OF CONSTRUCTION OF THE PROJECT, CONTRACTOR TO SUBMIT RECORD DRAWINGS TO THE ENGINEER OR CITY. THE PROJECT SHALL NOT BE CONSIDERED COMPLETE UNTIL RECORD DRAWINGS ARE ACCEPTED BY CITY.
- 9. CONTRACTOR MAY ENCOUNTER HIGH GROUND—WATER TABLE AT SITE LOCATION. HIGH GROUND—WATER IN COMBINATION WITH BEACH SAND SUBGRADE WILL CAUSE A "QUICK" EFFECT, WHICH WILL RESULT IN THE DESTABILIZATION OF ADJACENT SOILS, UTBLITIES AND STRUCTURES. CONTRACTOR SHALL ANTICIPATE AND COORDINATE ANY AND ALL DEWATERING TECHNIQUES NECESSARY AND/OR REQUIRED TO COMPLETE PROJECT AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS. CONTRACTOR SHALL BEAR ALL COSTS. PERTAINING TO DEWATERING EFFORTS.

- ROADWORK/SITEWORK

 10. CONTRACTOR SHALL RESTORE ALL SURFACES TO MATCH EXISTING AND ADJACENT GRADES.
- 11. ALL DESIGN ELEVATIONS SHOWN SHALL BE CONSIDERED TO BE FINISH SURFACE ELEVATIONS UNLESS OTHERWISE NOTED, ALL SURFACES SHALL BE GRADED SMOOTH AND FREE OF IRREGULARITIES THAT COULD ACCUMULATE SURFACE WATER.
- 12. THE CONTRACTOR SHALL HAVE A SUFFICIENT NUMBER OF COMPACTION TESTS PERFORMED TO MEET SPECIFICATION REQUIREMENTS
 AT THE CONTRACTOR'S EXPENSE, TESTS SHALL BE PERFORMED BY A QUALIFIED TESTING ACENCY AND WRITTEN RESULTS SHALL BE
 PROVIDED TO THE APPROPRIATE AGENCY, SHOULD COMPACTION REQUIREMENTS NOT BE MET, CONTRACTOR SHALL RECOMPACT AND
 PAY ALL ADDITIONAL TESTING COSTS RELATED TO THE RECOMPACTION.

SIGNAGE
13. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER ODOT REQUIREMENTS. ACCESS TO
EXISTING DRIVEWAYS AND BUSINESSES TO BE MAINTAINED AT ALL TIMES, CONTRACTOR SHALL REPLACE ALL SIGNS REMOVED DURING
CONSTRUCTION, CITY TO APPROVE INSTALLATION.

- WATER

 14. INSPECTION BY ENGINEER OR CITY REPRESENTATIVE OF WATER SYSTEMS PRIOR TO BACKFILL SHALL BE REQUIRED.
- 15. CONTRACTOR TO COORDINATE PLACEMENT OF WATER SERVICE METER WITH CITY PUBLIC WORKS.
- 16. WATERLINE FITTINGS MUST BE FULLY RESTRAINED BY THRUST BLOCKS AND APPROVED RESTRAINT SYSTEM UNLESS SPECIFICALLY OTHERWISE INDICATED ON THESE DOCUMENTS.
- 17. CONNECTION OF NEW WATER SERVICE TO EXISTING WAIN SHALL BE COORDINATED WITH CITY STAFF. ALL WATER MAIN VALVES SHALL ONLY BE OPERATED BY CITY PERSONNEL. NO EXCEPTIONS UNLESS AUTHORIZED IN WRITING BY CITY.
- 18, POTHOLE EXISTING WATER PIPES FOR CONNECTION OF NEW WATER SYSTEM. ALL INVERT ELEVATIONS, PIPE SIZES AND MATERIALS ARE TO BE MEASURED BY CONTRACTOR PRIOR TO ORDERING ANY MATERIALS FOR THE WATER SYSTEM.

- STORM & SEWER

 19. POTHOLE EXISTING STORM AND SEWER PIPES FOR CONNECTION OF NEW SYSTEMS, ALL INVERT ELEVATIONS, PIPE SIZES AND MATERIALS ARE TO BE MEASURED BY CONTRACTOR PRIOR TO ORDERING ANY MATERIALS.
- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL CATCH BASINS, CLEANOUTS, MANHOLES, VAULTS, ETC., THAT ARE AFFECTED BY CONSTRUCTION AND/OR FILL TO FINISH GRADE. STORM DRAIN INLET STRUCTURES SHALL BE ADJUSTED SO WATER FLOWS INTO THE STRUCTURE WITHOUT PONDING.

DEMOLIDON
21. CONTRACTOR TO DEVELOP A CONSTRUCTION PHASING PLAN AND PROVIDE IT TO THE CITY AND ENGINEER PRIOR TO BECINNING CONSTRUCTION. PLAN SHALL INDICATE STAGES OF DEMOLITION AND DURATION OF OUTAGES. ALL OUTAGES ARE TO BE KEPT TO A

IRAFFIC CONTROL

22. THE CONTROL DEVELOP AND SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL. THE TRAFFIC CONTROL
PLAN SHALL DETAIL INTERSECTIONS WITHIN THE PROJECT ZONE, IN ACCORDANCE WITH SECTION 00220 AND SECTION 00225 OF

NOISE ORDINANCE
23. CITY NOISE ORDINANCE 130.08 STATES THAT NOISE IS ACCEPTABLE FROM 7 AM TO 6 PM. CITY COUNCIL APPROVAL IS REQUIRED IF NIGHT WORK IS INTENDED. THE CITY REQUIRES THREE WEEK'S NOTICE FOR APPROVAL.

LEGEND

EXISTING		PROPOSED	
	CATCH BASIN WOODEN POST SANITARY SEWER MANHOLE SANITARY SEWER CLEANOUT MULTI-USE POWER POLE CUY WIRE AREA DRAIN POWER RISER WATER VALVE WATER METER WATER FIRE HYDRANT COMMUNICATIONS RISER CONTROL POINT	© ©	SANITARY SEWER MANHOLE SANITARY SEWER CLEANOU
COM	MAIN SANITARY SEWER LINE SANITARY SEWER LATERAL COMMUNICATIONS LINE UNDERGROUND ELECTRIC LINE STORM SEWER LINE WATER LINE EDGE OF ASPHALT EDGE OF GRAVEL RIGHT OF WAY AND TAXLOTS SEDIMENT FENCE CRAVEL RESTORATION LAWN RESTORATION		MAIN SANITARY SEWER LATERAL

SURVEY NOTES

NARRATIVE:
THE PURPOSE OF THIS SURVEY IS TO PROVIDE THE CITY OF TILLAMOOK WITH A TOPOGRAPHIC MAP WITH EMPHASIS ON THE EXISTING
SANITARY SEWER LINE AND CORRESPONDING UTILITY CROSSINGS. SURVEY DATA WAS COLLECTED VIA TERRESTRIAL METHODS AND GPS
RIX OBSERVATIONS, FIELD TIES TO UTILITIES ARE BASED ON PAINT MARKS OF UTILITY LOCATE ON CALL. TIES WERE MADE WITH
TRIMBLE SO TOTAL STATION TERRESTRIAL OBSERVATIONS BETWEEN THE DATES OF JULY 30-AUGUST 08, 2014.

THE UTILITY COMPANIES WHO PLACE THE PAINT MARKS DO NOT GUARANTEE THEIR SURFACE LOCATES TO BE FREE OF ERRORS OR OMISSIONS, THEREFORE OTAK RESERVES THE SAME LIMITATIONS.

BASIS OF BEARING:
THE BASIS OF BEARING FOR THIS PROJECT IS GRID NORTH. THE HORIZONTAL DATUM IS NADBAS(CORS 11) EPOCH 2010.00. PROJECTED ONTO OREGON NORTH ZONE (3601) STATE PLANE (CRID) COORDINATES IN INTERNATIONAL FEET. BEARINGS SHOWN HERE ON ARE GRID.

THE VERTICAL DATUM IS NAVDBB(GEOID 12), HOLDING NGS BENCH MARK "C 223" (PID: RD1010) PUBLISHED ORTHOMETRIC ELEVATION

ABBREVIATIONS

ADA	=	AMERICANS WITH DISABILITIES ACT	IPS	=	IRON PIPE SIZE
		AVENUE	L	=	LENGTH
AVE	=		LF	==	LINEAR FEET
BNSF	=	BURLINGTON NORTHERN SANTA FE	MAX	=	MAXIMUM
BO	=	BLOW OFF	МН	=	MANHOLE
BTM	=	BOTTOM	MIN	=	MINIMUM
CARV	=	COMBINATION AIR RELEASE VALVE	MJ	=	MECHANICAL JOINT
СВ	=	CATCH BASIN	N	=	NORTH, NORTHING
CIPP	=	CURED IN PLACE PIPE	NIC	=	NOT IN CONTRACT
CL	=	CENTERLINE	OC	=	ON CENTER
CONC	=	CONCRETE	OHW	=	ORDINARY HIGH WATER
CONN	=	CONNECTION	PE	=	PLAIN END
CSBC	=	CRUSHED SURFACING BASE COURSE	PI	=	POINT OF INTERSECTION
DEC	=	DECIDUOUS	PIP	=	PLASTIC IRRIGATION PIPE
DI	=	DUCTILE IRON	PL	=	PIPELINÉ
DIP	=	DUCTILE IRON PIPE	PS	=	PUMP STATION
DBH	=	DIAMETER AT BREAST HEIGHT	PT	=	POINT OF TANGENCY
DIA	=	DIAMETER	PVC	=	POLYVINYL CHLORIDE
Ε	=	EAST, EASTING	R	=	RADIUS
ELEV	=	ELEVATION	REQ'D	=	REQUIRED
EOG	=	EDGE OF GRAVEL	ROW	_	DISTRICT OF WAY
EOP	=	EDGE OF PAVEMENT	R.R.	_	
EX	=	EXISTING	S		SLOPE
FA	=	FORCED AIR	SS	=	SANITARY
FF	=	FINISHED FLOOR ELEVATION	SD		STORM DRAIN
FG	=	FINISHED GRADE	SDR	=	
FL	=	FLANGE	STA	_	STATION
FM	=	FORCE MAIN	STM		STORM
FT	=	FEET	TRW	_	
HMA	=	HOT MIX ASPHALT	TYP	_	
HORIZ	=	HORIZONTAL	VERT	_	
ΙE	=	INVERT ELEVATION	V ER1	-	VEITTIONE

UTILITY PROVIDERS

ONE CALL CENTER - CALL BEFORE YOU DIG!

(800) 332-2344 (ONE-CALL CENTER) (877) 668-4001 (ADMINISTRATIVE)

ATTENTION EXCAVATORS: OREGON LAW REQUIRES COMPLIANCE WITH OAR 952-001-0010 THROUGH OAR 952-001-0090. THESE RULES MAY BE OBTAINED BY CALLING OREGON UTILITY NOTIFICATION CENTER, (503) 232-1987. CONTRACTOR MUST NOTIFY THE CENTER AT LEAST TWO (2) WORKING DAYS BEFORE BUT NOT MORE THAN TEN (10) DAYS BEFORE COMMENCING EXCAVATION.

WATER/SEWER/STORM

TIM LYDA - PUBLIC WORKS DIRECTOR 210 LAUREL AVE. TILLAMOOK, OREGON 97141 (503) 374-1826 (OFFICE) (503) 812-8802 (CELL)

FLECTRICITY

TILLAMOOK PEOPLE'S UTILITY DISTRICT JAMES AMAN 1115 PACIFIC AVE, TILLAMOOK, OR 97141 (503) 842–2535 (OFFICE) (503) 815–8629 (ENGINEERING DIRECT) (800) 422–2535 (TOLL FREE) (800) 842–2122 (EMERGENCY)

TFLEPHONE

CENTURYLINK SCOTT SCHIMINESKY PACIFIC CITY, OR 97141 (503) 965-9918

CABLE TELEVISION

SPECTRUM 1014 PACIFIC AVE, TILLAMOOK, OR 97141 (855) 757-7328



Otak, Inc.

CRED PROFFE 72,629 TE

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GENERAL SHEETS CITY OF TILLAMOOK.

GENERAL

TITLE

NAVDBB

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FINAL STATUS DECEMBER 6, 2019

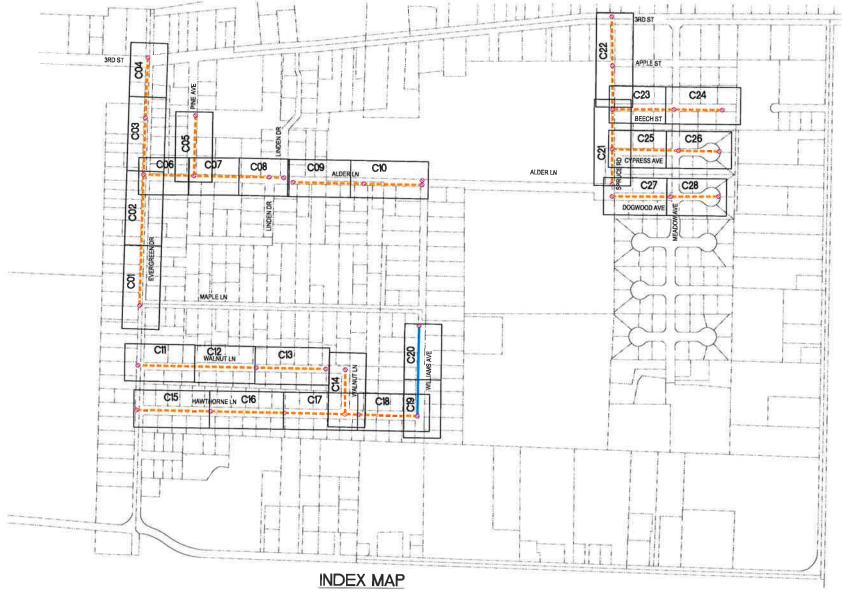
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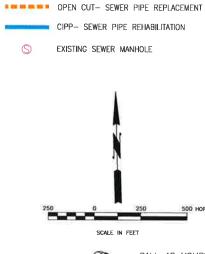
SHEET 02 OF 36 If this drawing is not 22° x 34°, it has been reduced/enlarged. Scale accordingly.

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LOCATION	SHEETS	PIPE SIZE	BID SCHEDULE
EVERGREEN DR NORTH	C01-C04	10-INCH	BASE BID
PINE AVE.	C05	8-INCH	ADD 1
WEST ALDER LN.	C06-C10	8-INCH	BASE BID
WALNUT LN.	C11-C14	8-INCH	BASE BID
HAWTHORNE LN.	C15-C18	8-INCH	ADD 3
SOUTH WILLIAMS AVE. CIPP	C19-C20	8-INCH	ADD 4
SPRUCE AVE.	C21-C22	10-INCH	ADD 2
BEECH ST.	C23-C24	8-INCH	ADD 5
CYPRESS ST,	C25-C26	8-INCH	ADD 6
DOGWOOD ST.	C27-C28	8-INCH	ADD 7





LEGEND



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City of Tillamook 🍍

CONSULTANT

INDEX MAP & BID SCHEDULES GENERAL SHEETS CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

I & I EASTSIDE REDUCTION PROJECT TITLE REVISIONS NAVD88 DATUM

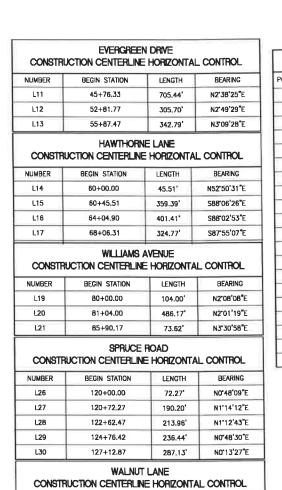
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DRAWN BY CHECKED BY FINAL

DECEMBER 6, 2019 DATE

18695 PROJECT NUMBER

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BEARING

N1°36'03"E

N87'24'16"W

N86'09'47"W

N88'20'53"W

NBB 13'19 W

S55'36'41"W

LENGTH

261.69

105.24

378.87

315.47

288,19"

50.53

140+00.00

142+61,69

143+66.94

147+45.81

153+49.46

NUMBER

L32

L33

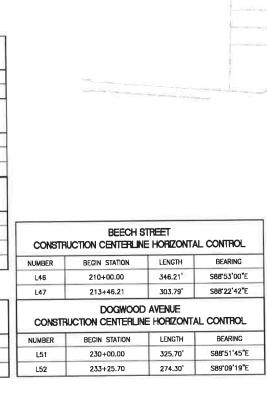
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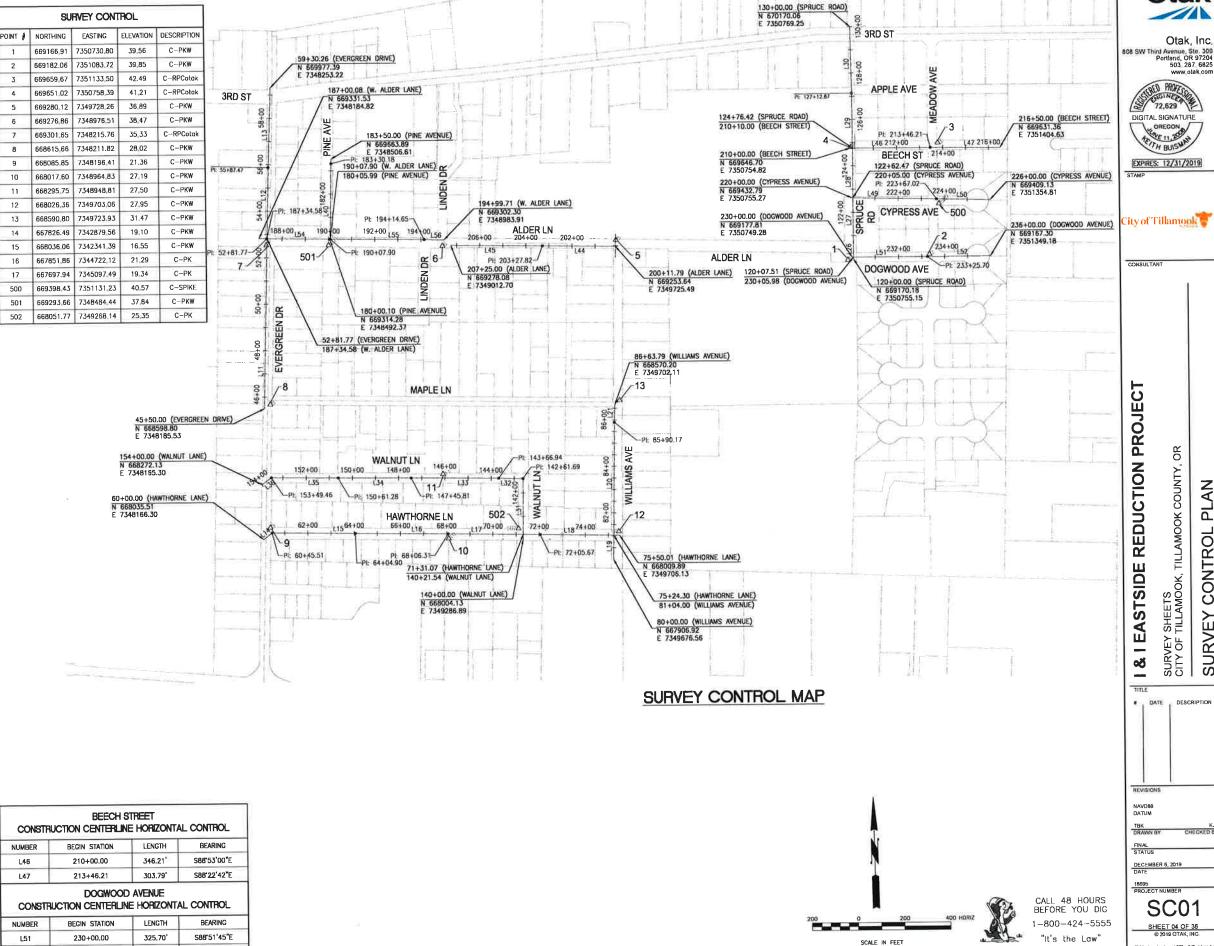
L35

L36

CONSTR	PINE AV UCTION CENTERLIN		L CONTROL
NUMBER	BEGIN STATION	LENGTH	BEARING
L40	180+00.00	330,18	N2*21'41"E
CONSTR	BEGIN STATION	LENGTH	BEARING
NUMBER	BEGIN STATION	LENGTH	BEARING
L44	200+00.00	327.82'	N88'01'08"W
L45	203+27.82	397.18'	N88'03'02"W
CONSTR	W. ALDE UCTION CENTERLIN		AL CONTROL
NUMBER	BEGIN STATION	LENGTH	BEARING
L54	187+34.58	273.32'	S87*58'59"E
L55	190+07.90	406.75'	S88'05'14"E

	CYPRESS AVENUE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL					
Ī	NUMBER	BEGIN STATION	LENGTH	BEARING		
	L49	220+00.00	367.02'	S87'44'41"E		
1	150	223467.02	232.08'	\$87*43'55"F		



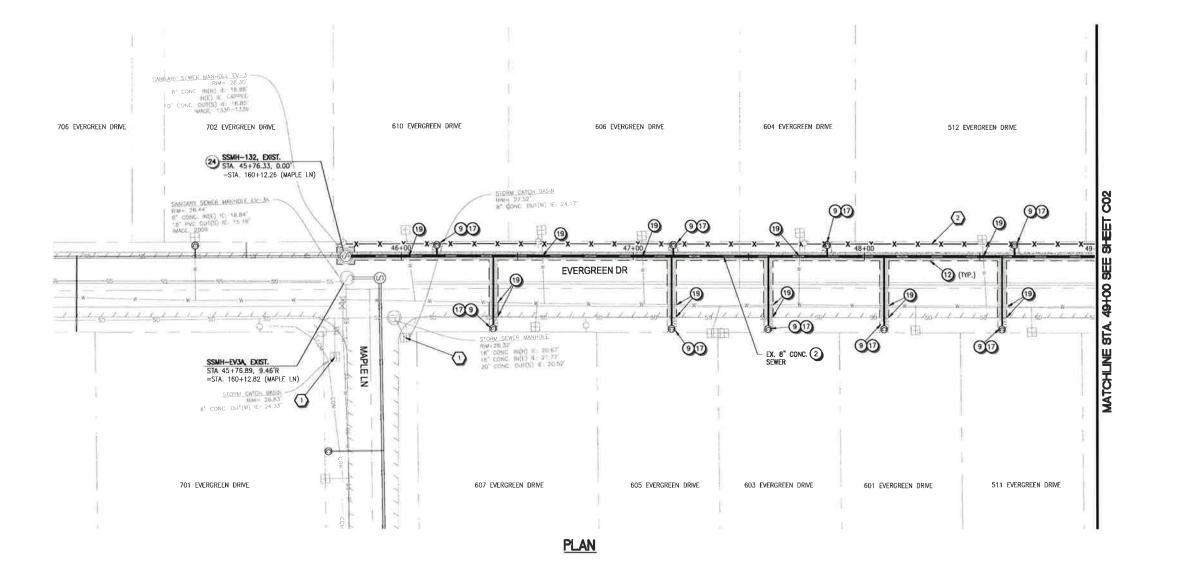


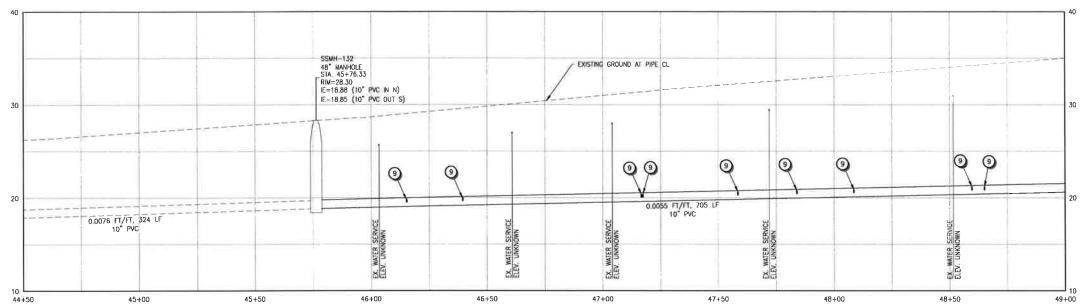
Otak

PLAN

CONTROL

SURVEY





GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

- 1 INLET PROTECTION PER STD DWG RD1015 ON SHEET D04 2 SEDIMENT FENCE PER STD DWG RD1040 ON
- SHEET DO4, NO FENCE ACROSS DRIVEWAY APRONS.

WEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE
- MATCHAEL TEE, REMOVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SEWER MAIN TO RIGHT—OF—WAY LINE, PER COT STD
 DWGS 520 AND 590 ON SHEET DOZ. INSTALL
 SANITARY SEWER CLEANOUT AT RIGHT—OF—WAY LINE
 PER DETAIL 500 ON SHEET DOZ AND CONNECT TO
 FXIST LATERAL EXIST LATERAL
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STID DWG 590 ON SHEET DO2 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY
 MANHOLE PER COT STD DWG 010 ON SHEET D01.

Otak

Otak, Inc. 808 SW Third Avenue, Ste. 300 Portland, OR 97204 503, 287, 6825 www.otak.com





PROJECT

REDUCTION

STSIDE

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49+00 STA

45+76

AN AND PROFILE TILLAMOOK COUNTY

STA EVERGREEN

TARY SEWER PL. SANIT CITY (

TITLE # DATE DESCRIPTION

REVISIONS

NAVDBB DATUM

DRAWN BY CHECKED BY FINAL

DECEMBER 6, 2019 DATE

PROJECT NUMBER C01

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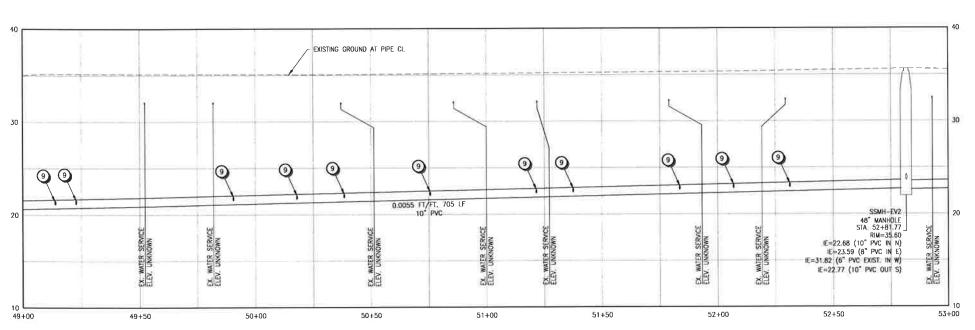
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SCALE IN FEET

PROFILE



GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL 1 NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04, NO FENCE ACROSS DRIVEWAY APRONS.

W KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STO DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- MATERIAL TIPE,

 INSTALL TEE, REMOVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD
 DWGS 520 AND 590 ON SHEET D02. INSTALL
 SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE
 PER DETAIL 500 ON SHEET D02 AND CONNECT TO
 EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
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- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY
 MANHOLE PER COT STD DWG 010 ON SHEET D01



Otak, Inc.



EXPIRES: 12/31/2019



CONSULTANT

PROJECT

REDUCTION

53+00 STA

OR STA 49+00 DR. EVERGREEN

SEWER PLAN AND PROFILE LLAMOOK, TILLAMOOK COUNTY,

STSIDE EA TARY OF TII SANIT CITY (රේ TITLE

NAVD88 DATUM

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FINAL STATUS DECEMBER 6, 2019

18695 PROJECT NUMBER

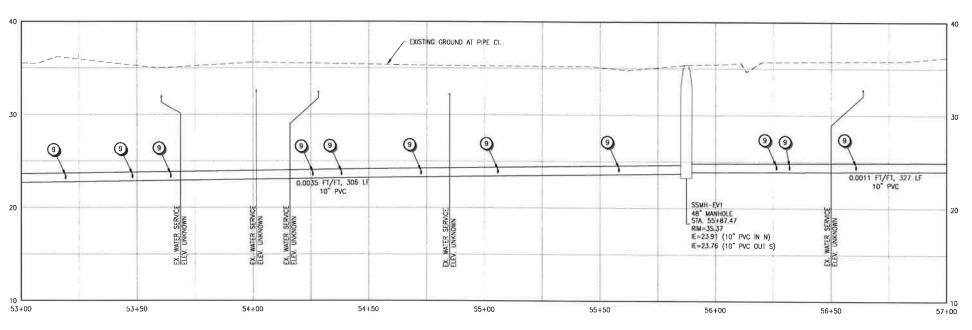
SHEET 06 OF 36 @ 2019 OTAK, INC

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SCALE IN FEET



"It's the Law'



GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET DO4, NO FENCE ACROSS DRIVEWAY APRONS.

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DD2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND INSTALL IEL, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RICHT-OF-WAY LINE, PER COT STD DWCS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RICHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION RESURFACE PER COT STD DWG 600 ON SHEET 002.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR RESURFACE DISTORRED CANDISARY AND STATE OF THE RESULT OF THE RESULT OF THE RESULT OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET DD1.



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TARY SEWER PLAN AND PROFILE OF TILLAMOOK, TILLAMOOK COUNTY,

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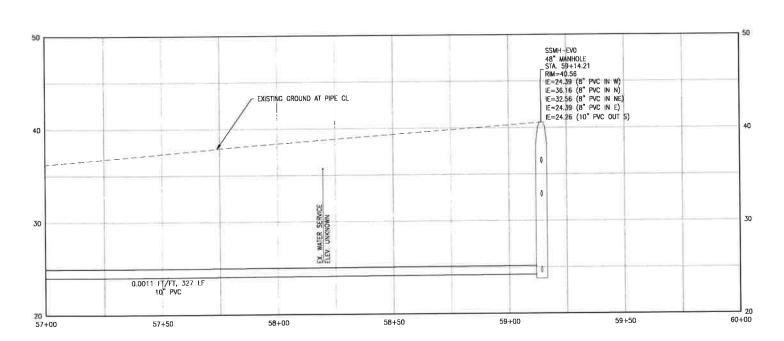
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SCALE IN FEET



GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL D NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET DO4, NO FENCE ACROSS DRIVEWAY

WALL NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 2 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO
- PROTECT AND SUPPORT DURING CONSTRUCTION.

 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET DO1.



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AND PROFILE LAMOOK COUNTY, SANITARY SEWER PLAN CITY OF TILLAMOOK, TIL

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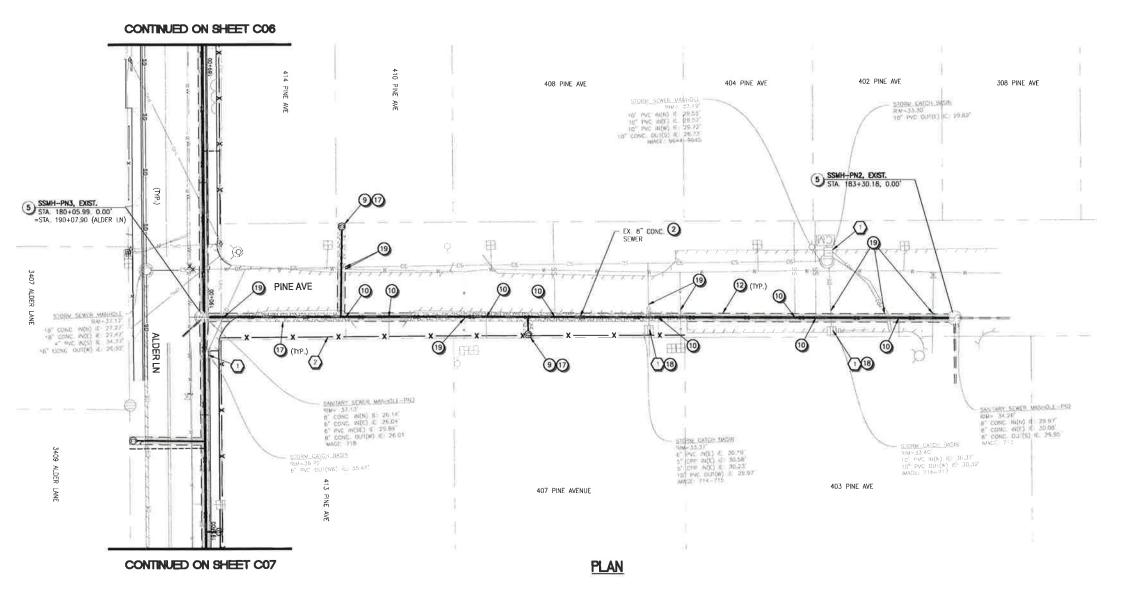
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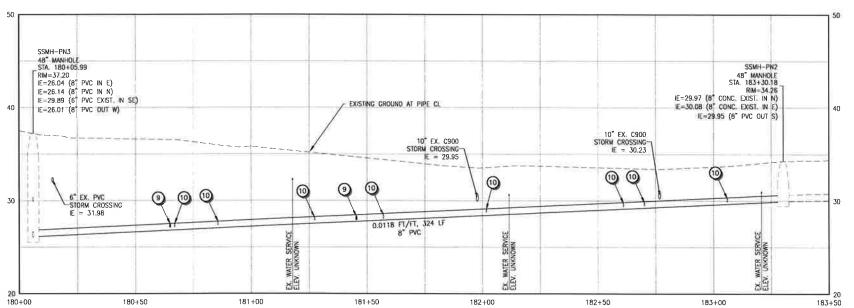
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL (1) NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET DO4
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET DO4, NO FENCE ACROSS DRIVEWAY APRONS

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2, SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX, MANHOLE USING KOR-N-SEAL BOOT, VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION, CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY,
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND INSTALL I.E., REMOVE EXISTING CHEPAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT—OF—WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DO2. INSTALL SANITARY SEWER CLEANOUT AT RIGHT—OF—WAY LINE PER DETAIL 500 ON SHEET DO2 AND CONNECT TO EXIST LATERAL
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET DO2,
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.



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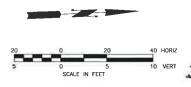
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18 EXISTING STRUCTURE TO REMAIN, CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER

19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.

NAVD88 DATUM DRAWN BY FINAL DECEMBER 6, 2019 DATE 18695 PROJECT NUMBER

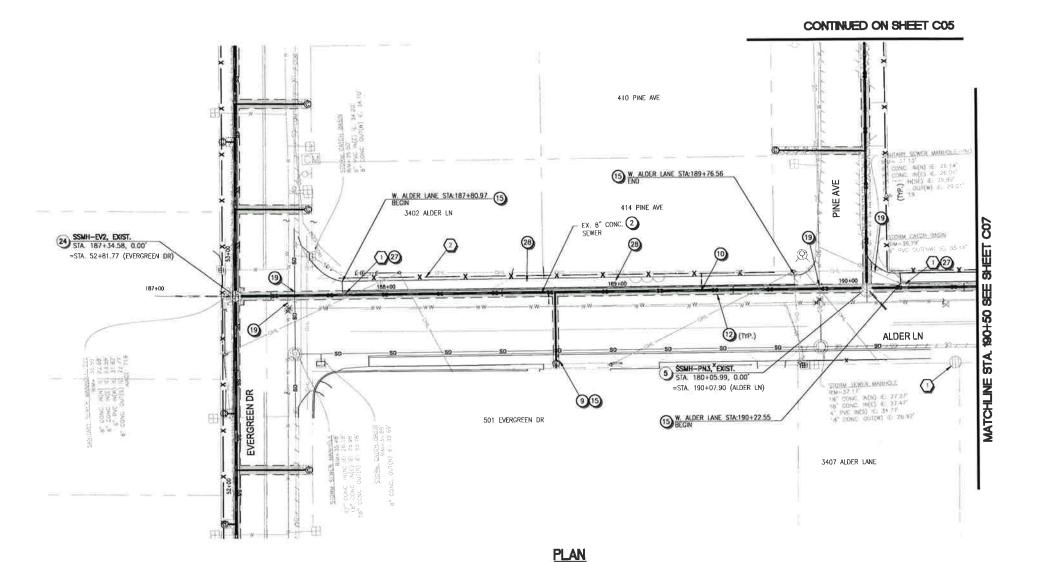


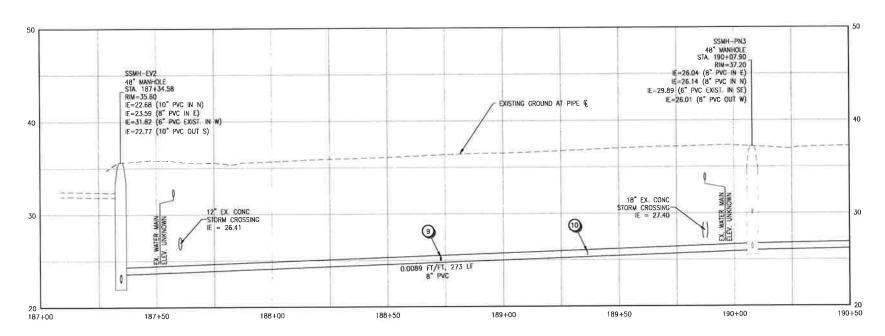


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- ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

D NOTES

- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION, CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RICHI-OF-WAY LINE, PER COT STO DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RICHI-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EVERT HATED. EXIST LATERAL
- REHABILITATEO SEWER WAIN PER COT STD DWG 520 ON SHEET DO2.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DOS, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY
 MANHOLE PER COT STD DWG 010 ON SHEET DOI.

- GENERAL NOTES
- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND

EROSION CONTROL

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04. NO FENCE ACROSS DRIVEWAY APRONS.

WEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STO DWG 590 ON SHEET DO2. SEE PROPILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.

- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO

- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 27 REPLACE EXISTING CATCH BASIN PER DETAIL 300
- 28 REPLACE EXISTING DRIVEWAY PER DETAIL 1040-ST ON SHEET 303.



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DECEMBER 6, 2019 DATE PROJECT NUMBER

SHEET 10 OF 36

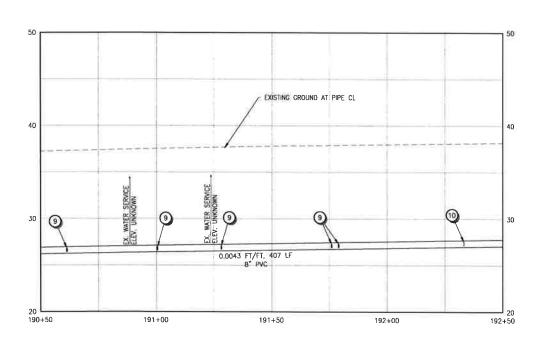
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET DO4, NO FENCE ACROSS DRIVEWAY APRONS.

(I) KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2, SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- MATERIAL TITE.

 9 INSTALL TEE, REMOVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD
 DWGS 520 AND 590 ON SHEET D02. INSTALL
 SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE
 PER DETAIL 550 ON SHEET D02 AND CONNECT TO
 EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET DO2.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DO3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS



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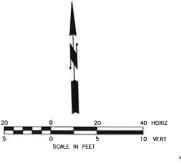
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- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION

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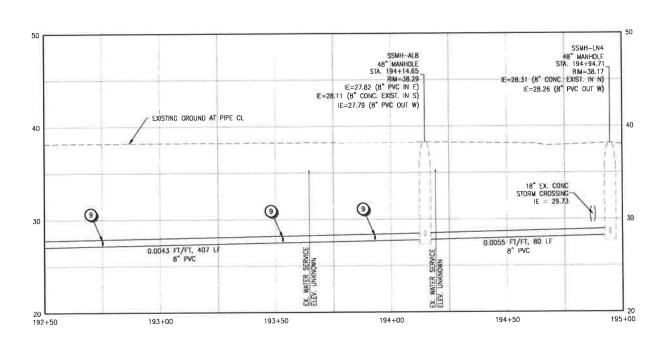
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- SEDIMENT FENCE PER STD DWC RD1040 ON SHEET DO4, NO FENCE ACROSS DRIVEWAY APRONS.

WEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX, MANHOLE USING KOR-N-SEAL BOOT, VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY,
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD
 DWGS 520 AND 590 ON SHEET DOZ. INSTALL
 SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE
 PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR



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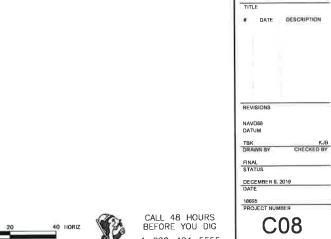
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SANITARY SEWER PLAN CITY OF TILLAMOOK, TIL

15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DO3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS.

- NESDATAGE DISTORMED CHICAGOTE AND AND ANALYSE AND ANALYSE TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 18 EXISTING STRUCTURE TO REMAIN, CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER IMPROVEMENTS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.



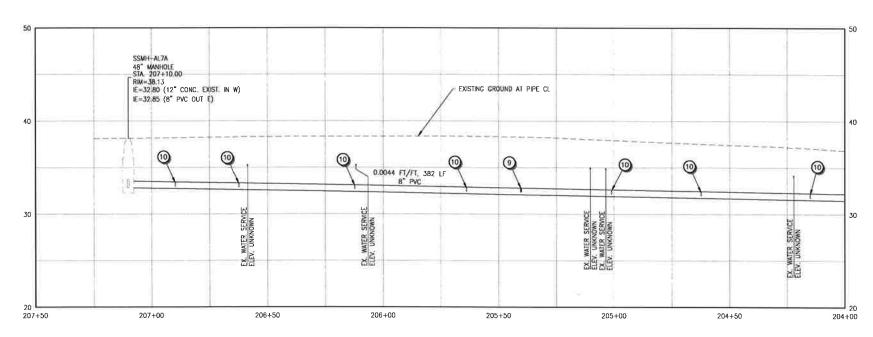


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GENERAL NOTES

- I SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET DO4, NO FENCE ACROSS DRIVEWAY

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT SID DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND
- SEE PROFILE FOR PROPUSED PIPE SIZE AND
 MATERIAL TYPE.

 5 CONNECT PIPE TO EX, MANHOLE USING KOR—N—SEAL
 BOOT, VERIFY INVERT ELEVATION PRIOR TO
 CONSTRUCTION, CORE AND RECHANNEL EXIST
 MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET DO2.
- PER COT STD DWG 2110-ST ON SHEET DD3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS,
- PROTECT AND SUPPORT DURING CONSTRUCTION



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- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DD2.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK
- 19 EXISTING UTILITY TO REMAIN CONTRACTOR TO

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TARY SEWER PLAN AND PROFILE OF TILLAMOOK, TILLAMOOK COUNTY,

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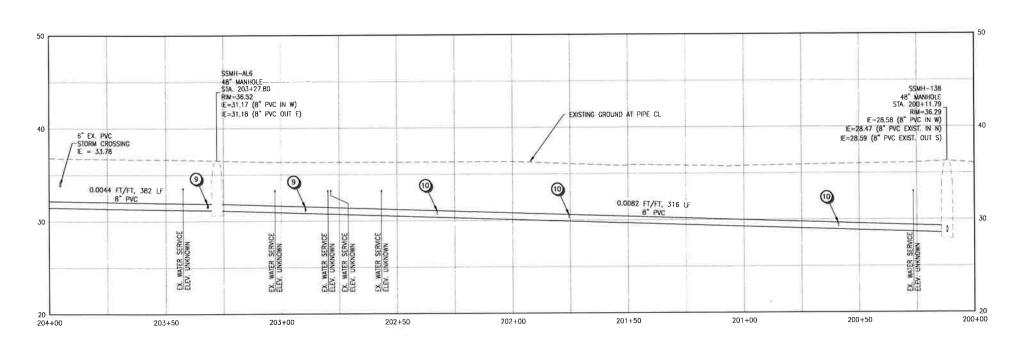
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG R01015 ON SHEET D04
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET DO4, NO FENCE ACROSS DRIVEWAY APRONS.

W KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET 002. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE
- 5 CONNECT PIPE TO EX, MANHOLE USING KOR-N-SEAL BOOT; VERHY INVERT ELEVATION PRIOR TO CONSTRUCTION, CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND INSIALL ILE, NEMOVE EXISING LAILMAL AND REPLACE WITH 4 "PVC PIDE FROM REHABILITIED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET DO2
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.

- 27 REPLACE EXISTING CATCH BASIN PER DETAIL 300 ON



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15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DO3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS.

- PER FLAM REPORCE SIGNARY IN CONTROL OF THE REPORCE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 18 EXISTING STRUCTURE TO REMAIN. CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION,

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DECEMBER 6, 2019

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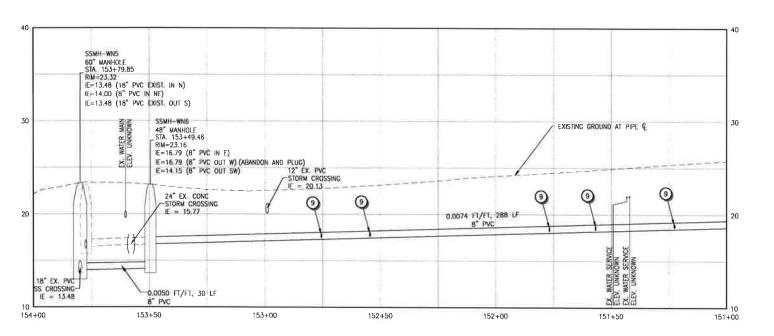
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUIT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE INDIALL TEE, REMOVE EXISTING TATERAL AND REPLACE
 WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN
 TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND
 590 ON SHEET DOZ. INSTALL SANITARY SEWE
 CLEANOUT AT RIGHT-OF-WAY LINE, PER DETAIL
 500 ON
 SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DO3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 29 INSTALL NEW SEWER MANHOLE OVER EXISTING SEWERLINE PER COT STD DWG 010, SHEET D01
- 30 INSTALL NEW DROP MANHOLE OVER EXISTING SEWER LINE PER COT STD DWG 090, SHEET D01
- 32 ABONDON EXISTING SEWER LINE IN PLACE, DRAIN PIPE AND PLUG AIRTIGHT AT EACH MANHOLE.



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SANITARY SEWER PLAN AND PROFILE CITY OF TILLAMOOK, TILLAMOOK COUNTY,

<u>∞</u> TITLE

NAVD88 MUTAG

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STATUS DECEMBER 6, 2019

18695 PROJECT NUMBER

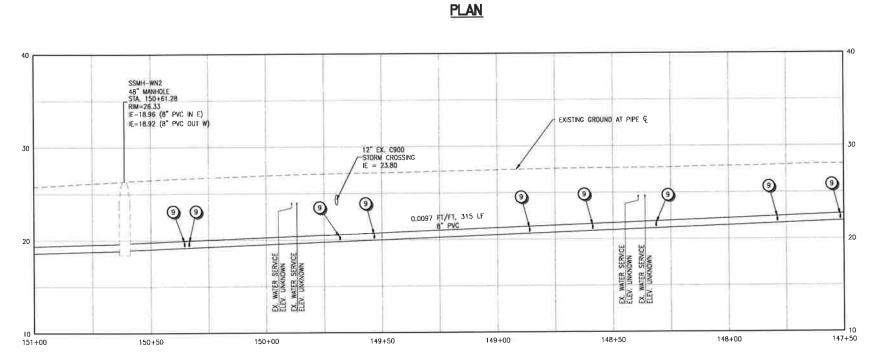
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GENERAL NOTES

- I SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET DO4

(1) KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2, SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX, MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
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 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE
 WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN
 TO RIGHT-OF-WAY LINE, PER COT STID DWGS 520
 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER
 CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON
 SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.



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- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DO3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.

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AND PROFILE LAMOOK COUNTY, SANITARY SEWER PLAN CITY OF TILLAMOOK, TIL

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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL D NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEMER BY OPEN CUI CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT: VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION, CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE
 WITH 4" PVC PIPE FROM RETABILITATED SEWER MAIN TO
 RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590
 ON SHEET DOZ. INSTALL SANTARY SEWER CLEANOUT AT
 RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ
 AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAYEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET 002.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD OWG 2110-ST ON SHEET DO3, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS. 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01

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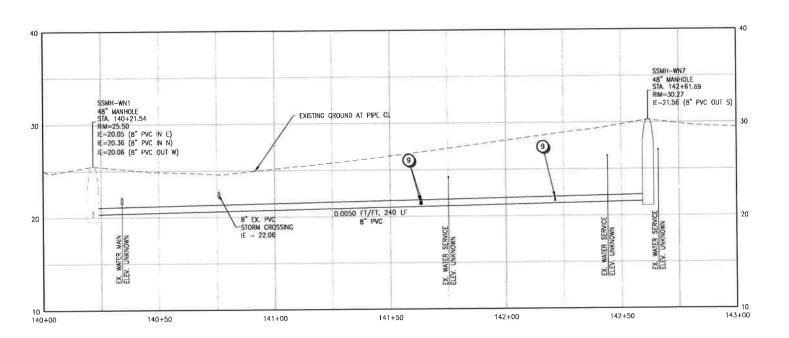
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- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

(1) KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROPILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX, MANHOLE USING KOR-N-SEAL BOOT; VERIEY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND INSTALL IEE, REMUVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD
 DWGS 520 AND 590 ON SHEET DOZ. INSTALL
 SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE
 PER DETAIL 500 ON SHEET DOZ AND CONNECT TO
 EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DOZ
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DO3, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY
 MANHOLE PER COT STD DWG 010 ON SHEET D01:



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SHEET 17 OF 36

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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

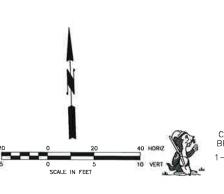
EROSION CONTROL W NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET DO4

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION
 METHODS PER COT STD DWG 590 ON SHEET DO2. SEE
 PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL
 TYPE.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE
 WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN
 TO RIGHT-OF-WAY LINE, PER COT STID DWGS 520
 AND 590 ON SHEET DO2. INSTALL SANITARY SEWER
 CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500
 ON SHEET DO2 AND CONNECT TO EXIST LATERAL
- REHABILITATED SEWER MAIN PER COT STD DWG 520
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR
- NARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.

- COORDINATE WITH UTILITY PROVIDER,
- 29 INSTALL NEW SEWER MANHOLE OVER EXISTING SEWERLINE PER COT STD DWG 010, SHEET D01 30 INSTALL NEW DROP MANHOLE OVER EXISTING SEWER LINE PER COT STD DWG 090, SHEET D01
- 31 INSTALL 4" PVC PIPE FROM NEW MANHOLE TO RIGHT-OF-WAY LINE, PER COT STD DWG 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500, SHEET DOZ AND CONNECT TO EXISTING LATERAL
- 33 REMOVE 8" CONCRETE SEWER PIPE FROM STORM



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10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO

- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DO3, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 20 INSTALL BACKWATER VALVE UPSTREAM OF SANITARY SEWER CLEANOUT.
- 26 RELOCATE EXISTING COMMUNICATION BOX.
- 32 ABONDON EXISTING SEWER LINE IN PLACE DRAIN PIPE AND PLUG AIRTIGHT AT EACH MANHOLE
- DRAIN MANHOLE, PLUG AIRTIGHT AT KNOCKOUTS IN

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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DOZ. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIPY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- MINITULE BASE AS INCLESSARY.

 INSTALL TEE, REMOVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD
 DWGS S20 AND S90 ON SHEET D02. INSTALL
 SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE
 PER DETAIL SOO ON SHEET D02 AND CONNECT TO
 EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWC 2110-ST ON SHEET DO3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET DO2 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY. EXISTING UTILITY TO REMAIN. CONTRACTOR TO
- PROTECT AND SUPPORT DURING CONSTRUCTION.
- 26 RELOCATE EXISTING COMMUNICATION BOX. COORDINATE WITH UTILITY PROVIDER.



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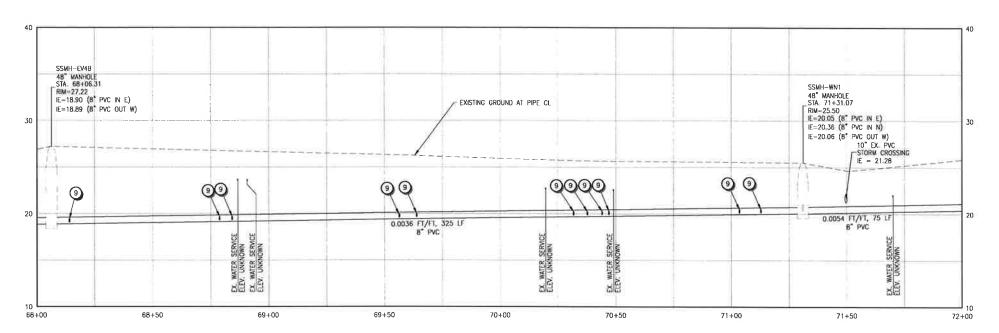
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GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV

EROSION CONTROL D NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- MATERIAL TYPE.

 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.

 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RICHT-OF-WAY LINE, PER COT STID DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RICHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL.
- AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 17 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110—ST ON SHEET DO3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS,
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION,
- SEWER CLEANOUT.
- 25 RELOCATE WATER LATERAL AND SERVICE METER PER COT STD DWG 007-WA.



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12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING

- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET DO3, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS.

- 20 INSTALL BACKWATER VALVE UPSTREAM OF SANITARY

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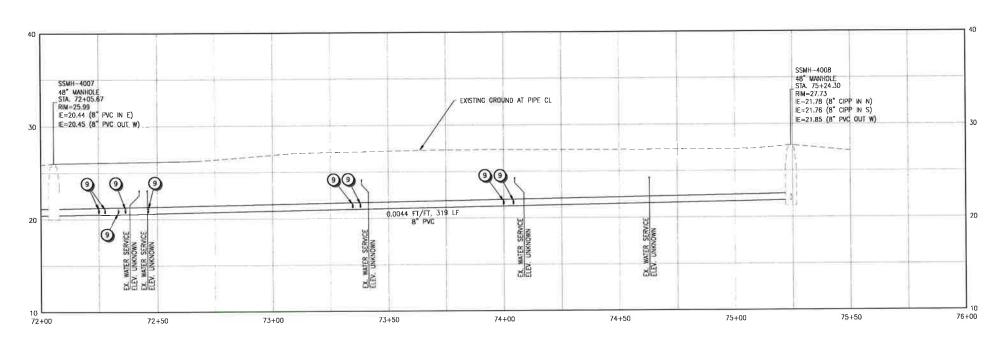
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GENERAL NOTES

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- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STO DWG 590 ON SHEET D02. SEE PROPILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX, MANHOLE USING KOR-N-SEAL BOOT; VERITY INVERT ELEVATION PRIOR TO CONSTRUCTION, CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND INSTALL ICE, NEMOVE EXISTING LATERGE AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DOZ, INSTALL SANITARY SEWER CLEANQUIT AT RICHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWC 2110-ST ON SHEET DOS, LIMITS PER PLAN, REPLACE SIDEWALK IN COMPLETE PANELS.
- TRESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET DO2 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 20 INSTALL BACKWATER VALVE UPSTREAM OF SANITARY SEWER CLEANOUT
- 25 RELOCATE WATER LATERAL AND SERVICE METER PER COT STD DWG 007-WA.
- 26 RELOCATE EXISTING COMMUNICATION BOX.
 COORDINATE WITH UTILITY PROVIDER.

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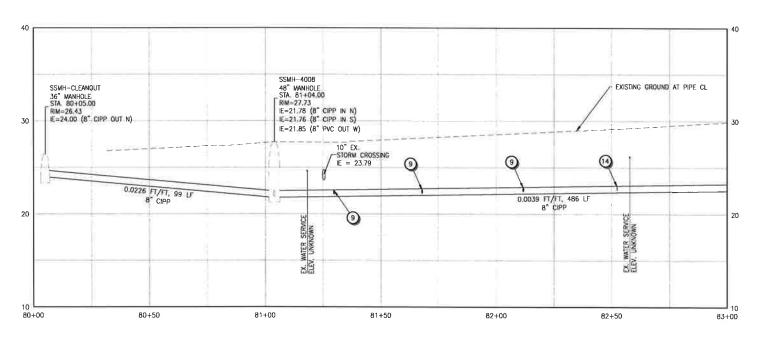
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GENERAL NOTES

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EROSION CONTROL W NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

W KEY NOTES

- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIPY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 7 REHABILITATE EXIST PIPE BY CIPP.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND INSTALL TEE, REMOVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SEWER MAIN TO RIGHT—FF—WAY LINE, PER COT STD
 DWGS 520 AND 590 ON SHEET DOZ. INSTALL
 SANITARY SEWER CLEANOUT AT RIGHT—FF—WAY LINE
 PER DETAIL 500 ON SHEET DOZ AND CONNECT TO
 EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- AFER MAINLINE CIPP WORK IS ACCEPTED,
 RECONNECT SERVICE LINE AND INSTALL
 CURED—IN-PLACE LATERAL LINER ASSEMBLY, LINER
 ASSEMBLY SHALL EXTEND 3FT MIN. INTO LATERAL
 EXISTING LATERAL SIZE AND MATERIAL TYPE SHALL BE
 VERIFIED BY VIDEO INSPECTION PRIOR TO CIPP WORK.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.



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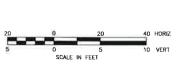
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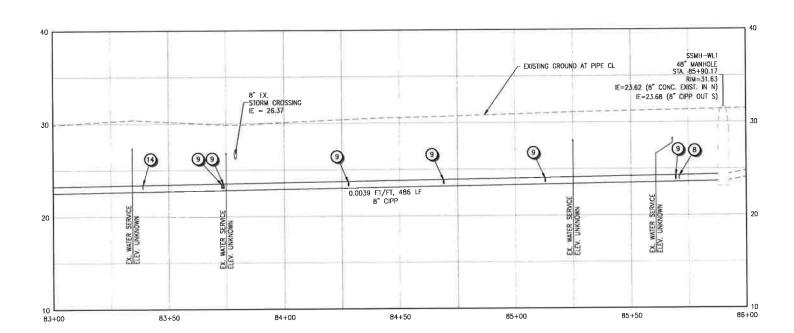
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- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

(1) KEY NOTES

- REHABILITATE EXIST PIPE BY CIPP.
- 8 EXISTING LATERAL IS CAPPED AND SHALL NOT BE RECONNECTED TO REHABILITATED SEWER MAIN.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REFABILIATED SEWER MAIN TO RICHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RICHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 400 ON SHEET DOZ.

 14 AFTER MAINLINE CIPP WORK IS ACCEPTED,
 RECONNECT SERVICE LINE AND INSTALL
 CURED—IN—PLACE LATERAL LINER ASSEMBLY. LINER
 ASSEMBLY SHALL EXTEND 3FT MIN. INTO LATERAL
 EXISTING LATERAL SIZE AND MATERIAL TYPE SHALL BE
 VERIFIED BY VIDEO INSPECTION PRIOR TO CIPP WORK.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STO DWG 590 ON SHEET DO2 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 18 EXISTING STRUCTURE TO REMAIN CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER IMPROVEMENTS.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION,



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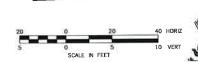
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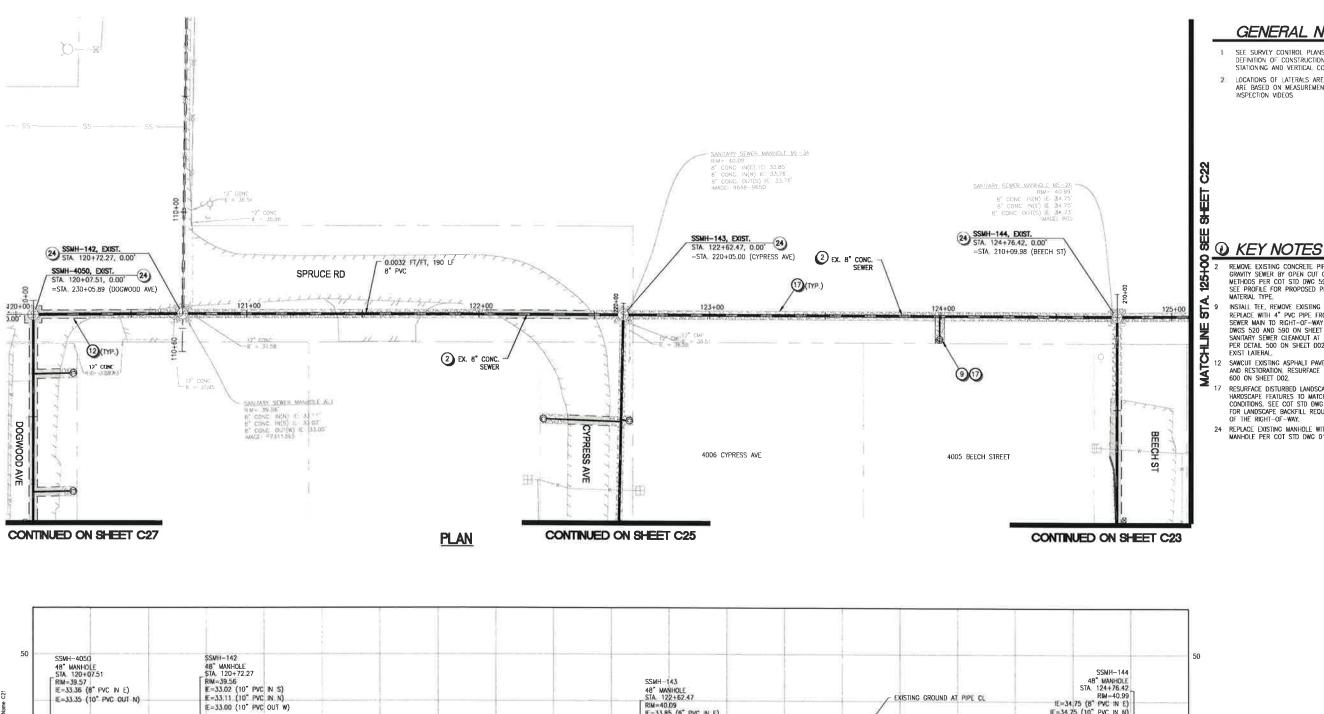
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS



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REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE. MAILERAL TIFE.

INSTALL TEE, REMOVE EXISTING LATERAL AND
REPLACE WITH 4° PVC PIPE FROM REHABILITATED
SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD
DWGS 520 AND 590 ON SHEET DD2. INSTALL
SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE
PER DETAIL 500 ON SHEET DD2 AND CONNECT TO
EXIST LATERAL.

SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.

- DOO ON SHEET DOZ.

 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT—OF—WAY,
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.

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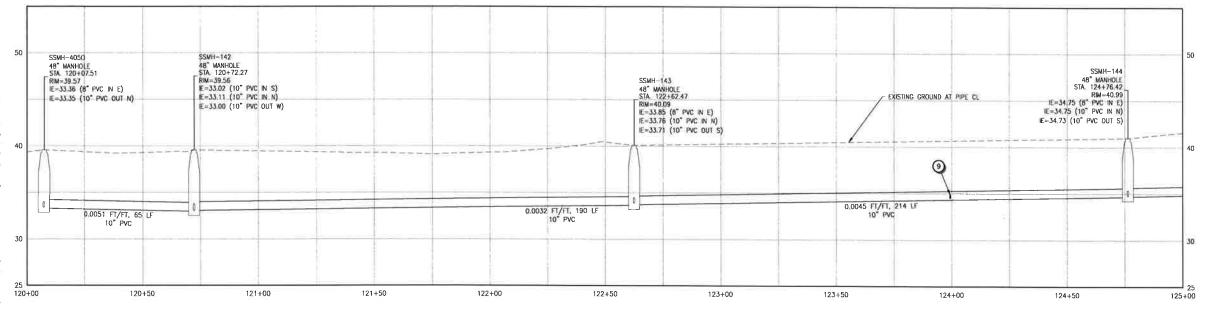
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DECEMBER 6, 2019

PROJECT NUMBER

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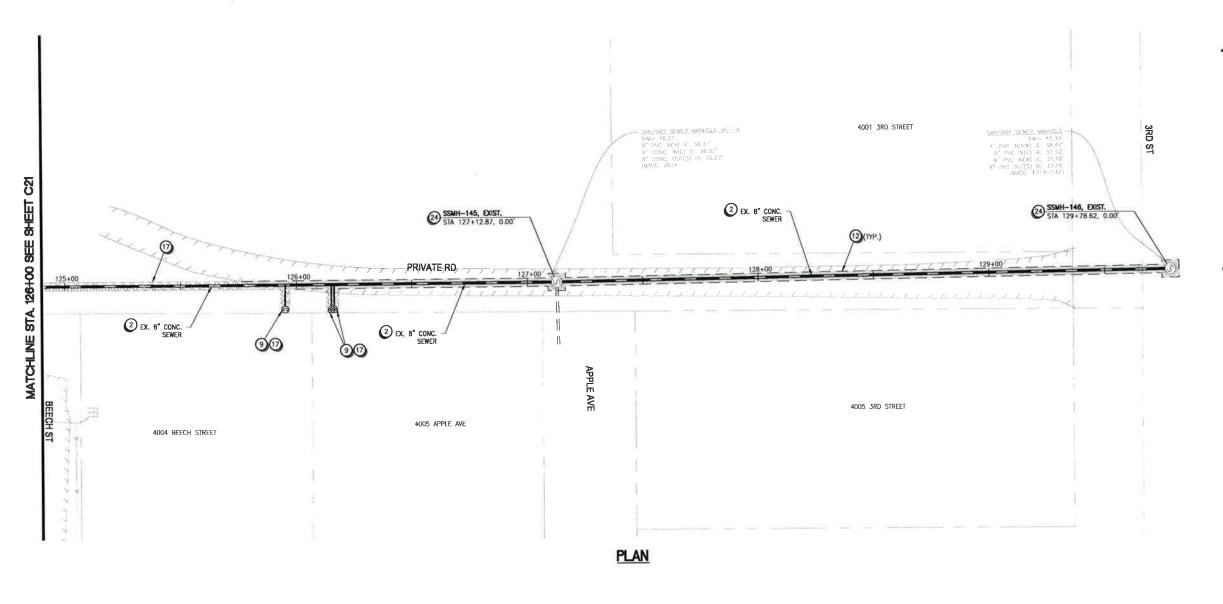
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PROFILE

SCALE IN FEFT





SSMH-145 48" MANHOLE STA 127+12.87 RIM-46.01 E-36.31 (10" PVC IN N) IE-36.01 (8" CONC. IN E)

E=36.22 (10" PVC OUT S)

127+50

PROFILE

127+00

9

0.0062 FT/FT, 236 LF

126+50

9

126+00

125+00

125+50

GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2. LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS



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EXPIRES: 12/31/2019

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• KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DOZ. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- MATERIAL TYPE.

 9 INSTALL TEE, REMOVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SEWER MAIN TO RICHT—OF—WAY LINE, PER COT STID
 DWGS 520 AND 590 ON SHEET DOZ. INSTALL
 SANITARY SEWER CLEANOUT AT RICHT—OF—WAY LINE
 PER DETAIL 500 ON SHEET DOZ AND CONNECT TO
 EXIST LATERAL.

 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING
 AND RESTORATION. RESURFACE PER COT STID DWG
 600 ON SHEET DOZ.

 17 RESURFACE DISTRIBBED LANDSCAPE AND/OR
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DO2 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWC 010 ON SHEET D01.

CT

130+00 STA SPRUCE AVE.

3 PR REDUCTION SANITARY SEWER PLAN AND PROFILE CITY OF TILLAMOOK, TILLAMOOK COUNTY, **EASTSIDE**

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REVISIONS

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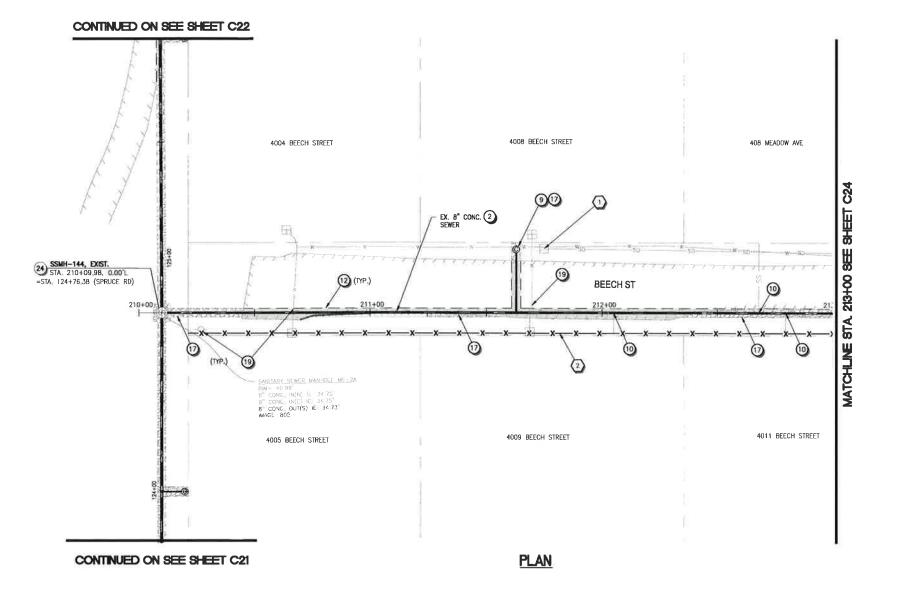
129+00 130+00 128+00 128+50

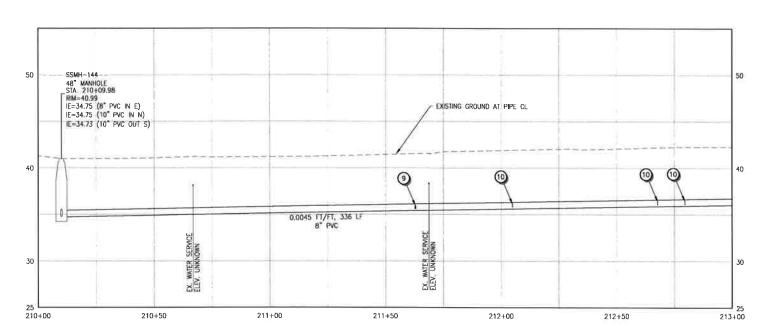
48" MANHOLE STA 129+78.62

RIM=42.49 IE=37.19 (10" PVC OUT S)

EXISTING GROUND AT PIPE CL

0.0033 FT/FT, 266 LF 10" PVC





GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04, NO FENCE ACROSS DRIVEWAY APRONS,

WEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DD2, SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE,
- PRINTER THE PROVE EXISTING LATERAL AND REPLACE WITH 4° PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET DO2,
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BOCKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY,
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION,
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.



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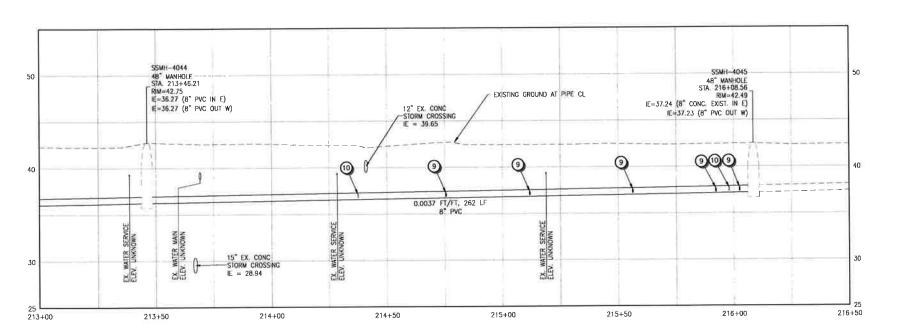
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18695 PROJECT NUMBER C23

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GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04, NO FENCE ACROSS DRIVEWAY APRONS.

WATER NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERHY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND INSIALI IEE, KEMOVE EASING CATERNAL AND REPLACE WITH 4 "PVC PPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO FXIST LATERAL
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET DO2
- 2 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS DUTSIDE
- OF THE RIGHT-OF-WAY.

 18 EXISTING STRUCTURE TO REMAIN. CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER IMPROVEMENTS.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION



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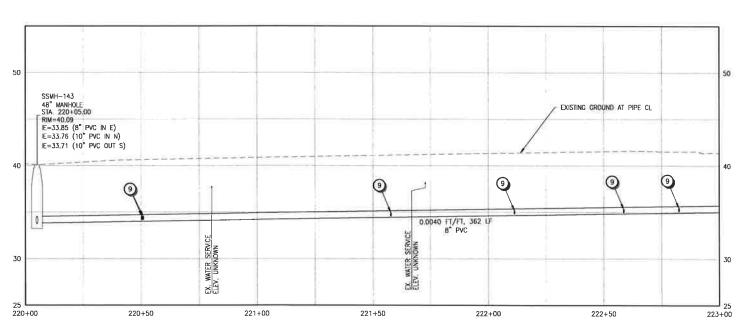
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18695 PROJECT NUMBER

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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04, NO FENCE ACROSS DRIVEWAY

WEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- SWITCHOUL TITE;

 SINSIALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT—OF—WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANITARY SEWER CLEANOUT AT RIGHT—OF—WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EYIET, LATERAL EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING COMDITIONS, SEE COT STD DWG 590 ON SHEET DO2 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- PROTECT AND SUPPORT DURING CONSTRUCTION

 REPLACE EXISTING MANHOLE WITH NEW SANITARY
 MANHOLE PER COT STD DWG 010 ON SHEET DD1.



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19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO

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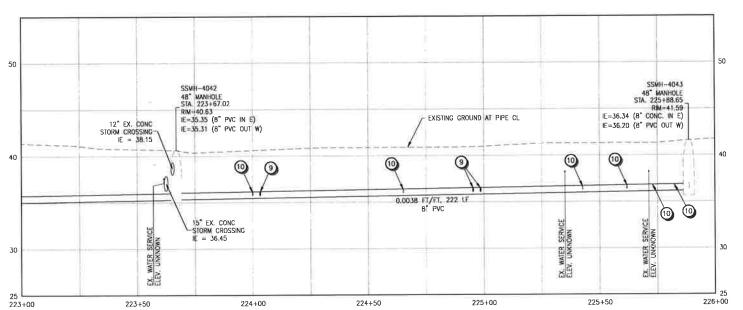
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"It's the Low"

PROFILE



GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD OWG 590 OM SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE
- MOTERNAL TIPE.

 S CONNECT PIPE TO EX, MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET DOZ. INSTALL SANTARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET DOZ AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET DO2.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 600 UN SHEET DUZ.

 7 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET DOZ FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT—OF—WAY.

 8 EXISTING STRUCTURE TO REMAIN. CONTRACTOR TO REMOVE. PROTECT, AND REPLACE STRUCTURE AS BECUIDED. DR. MISTALI LATION DE SANITARY SEWER
- REQUIRED FOR INSTALLATION OF SANITARY SEWER IMPROVEMENTS.
- 19 EXISTING UTILITY TO REMAIN, CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION,



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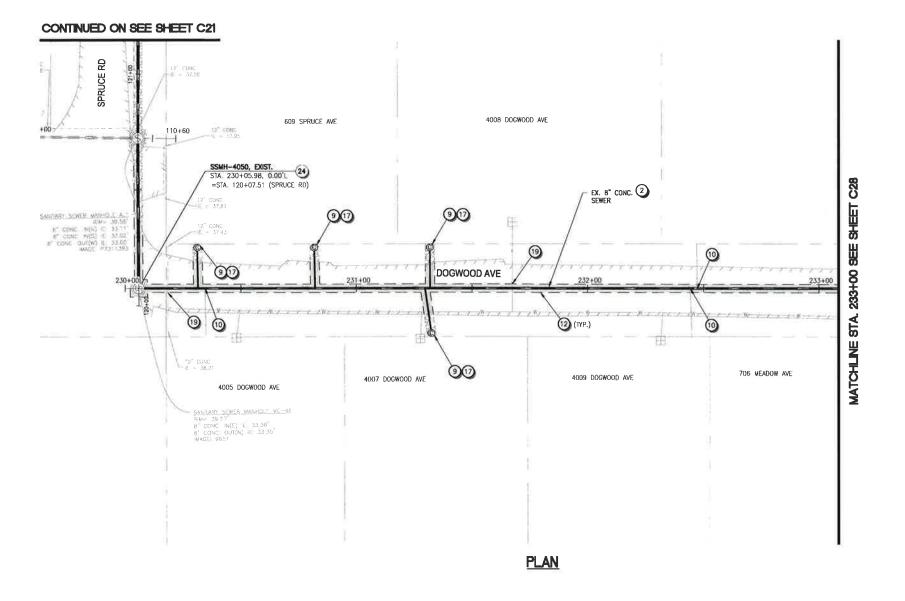
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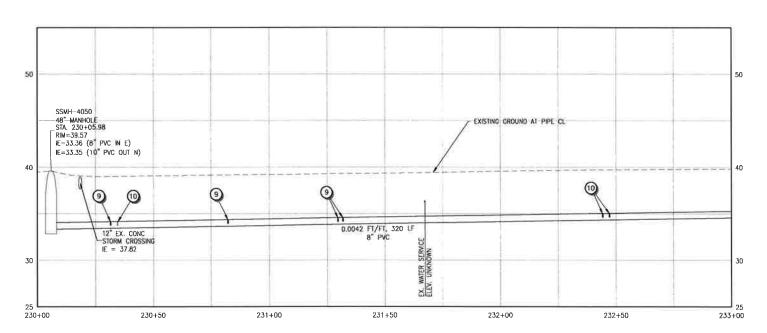
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GENERAL NOTES

W KEY NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS



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2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH REMOVE EXISTING CONTROL FIFE AND REPORT WIT GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DU2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.

MAIERWEL TIPE

9 INSTALL TEE, REMOVE EXISTING LATERAL AND
REPLACE WITH 4" PVC PIPE FROM REHABILITATED
SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD
DWGS 520 AND 590 ON SHEET DOZ. INSTALL
SANITARY SEWER CLEANOUI AT RIGHT-OF-WAY LINE
PER DETAIL 500 ON SHEET DOZ AND CONNECT TO
EXIST LATERAL.

- 10 Install tee and connect ex. Sewer lateral to Rehabilitated sewer main per cot STD DWG 520 On Sheet DO2.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- TRESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DO2 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RICHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.

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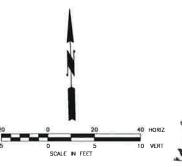
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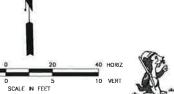
"It's the Low"

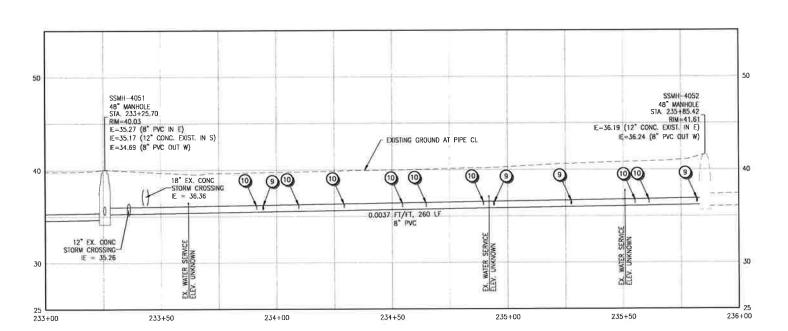
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL W NOTES

W KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET DO2. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- MANHOLLE BASE AS NECESSANT;

 9 INSTALL TEE, REMOVE EXISTING LATERAL AND
 REPLACE WITH 4" PVC PIPE FROM REHABILITATED
 SEWER MAIN TO RICHTI-OF-WAY LINE, PER COT STD
 DWGS 520 AND 590 N SHEET DOZ, INSTALL
 SANTIARY SEWER CLEANOUT AT RICHTI-OF-WAY LINE
 PER DETAIL 500 ON SHEET DOZ AND CONNECT TO
 EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET DO2

 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING
- AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET DO2.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS, SEE COT STD DWG 590 ON SHEET DO2 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY,
- 8 EXISTING STRUCTURE TO REMAIN, CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER REPORTED FOR THE STRUCTURE AS THE SECOND OF SANITARY SEWER REPORTED FOR THE SECOND OF SANITARY SEWER SEC IMPROVEMENTS.
- 19 EXISTING UTILITY TO REMAIN CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01



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DRAWNG NO. 010

OMMI

MANHOLE STEP

DRAWING NO. 100

1-1/4

COPOLYMER POLYPROPYLENE PLASTIC

1/2" GRADE 60 REINFORCEMEN

MATERIALS:

#6 3/4" GALVANIZED BAR

JALVANIZED:

#6 (3/4° DIA.) GALVANIZED DEFORMED REINFORCING BAR.

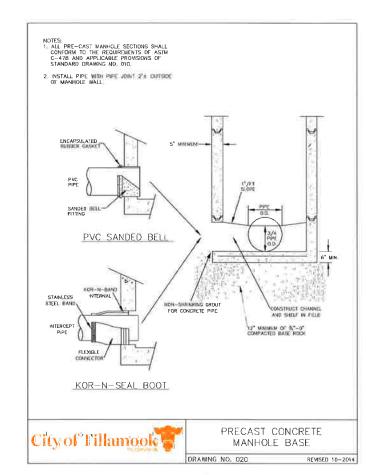
REINFORCING BAR CONFORMING WITH ASTM A-615 CRADE 40.

GALVANIZED CONFORMING WITH ASTM A-123.

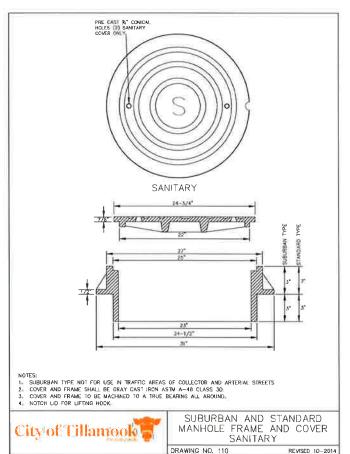
MUST CONFORM WITH ASTM C-478.

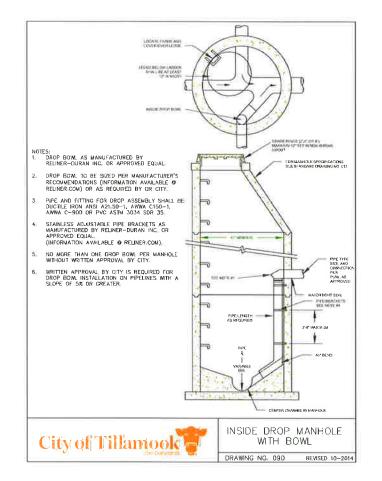
STEEL REINFORCING BAR MINIMUM 1/2" GRADE 60.
MEETING REQUIREMENTS OF ASTM ABIS ENCAPSULATED
WITH INSECTION MOLDED COPOLYMER POLYPROPYLENE
WITH SERRATED SURFACES.

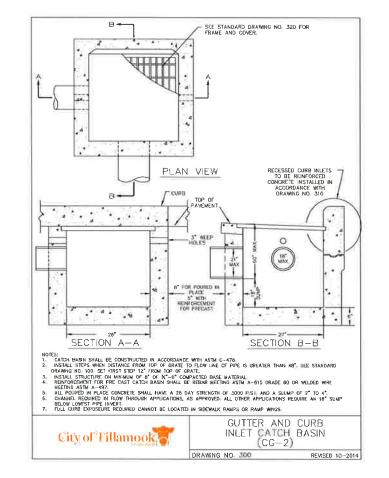
City of Tillamook













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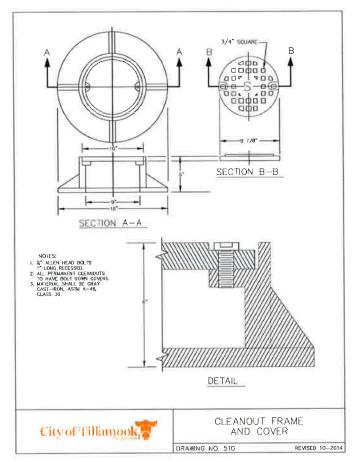
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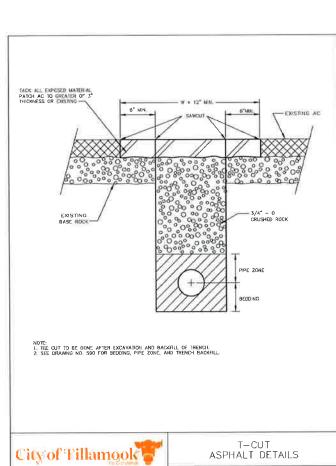
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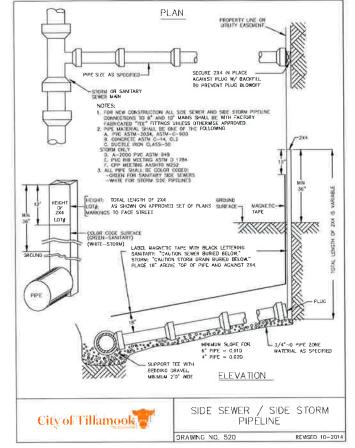
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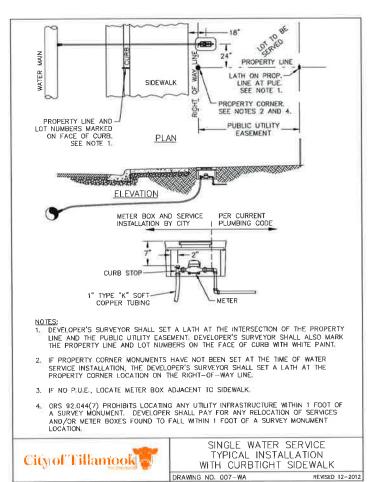
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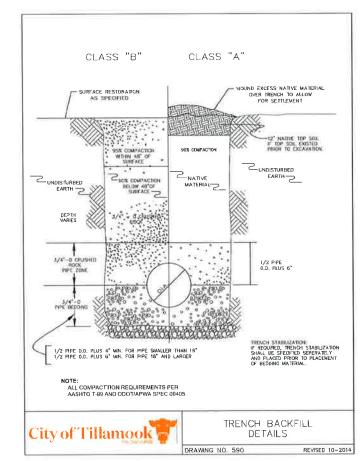
TBK KJB
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FINAL DECEMBER 6, 2019 DATE

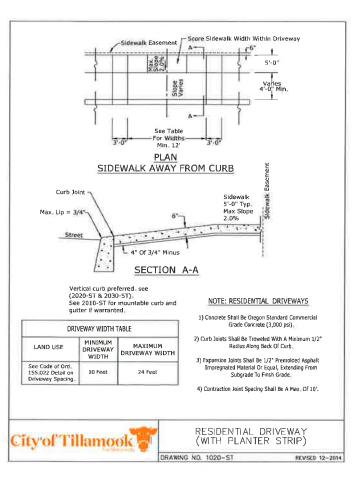
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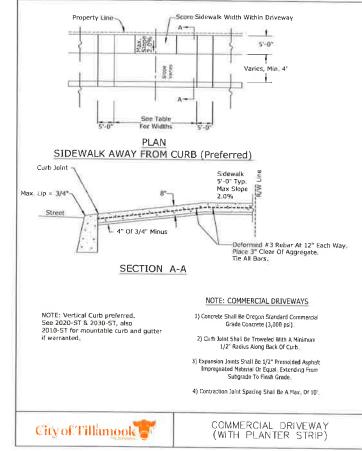
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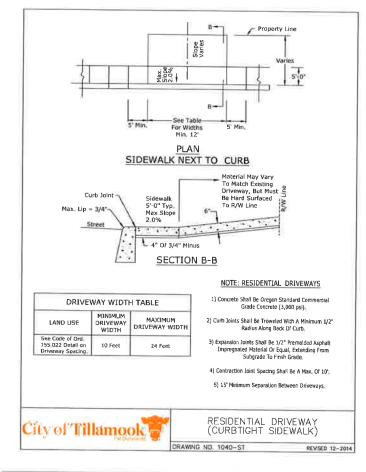
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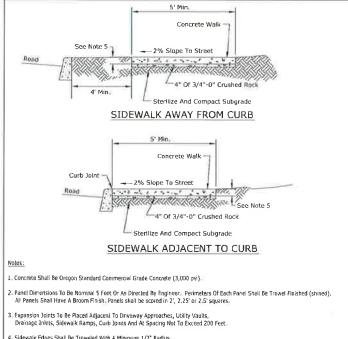












Sidewalk Shall Have A Minimum Thickness Of 6 Inches (See Structural Sections In Standard Drawings 1020-ST And 1030-ST) If Mountable Curb is Used, Or If Sidewalk 1s Intended As Portion Of Driveway, Otherwise Sidewalk Shall Have Minimum Thickness Of 4 Inches,

6. Drain Blockouts In Curbs Shall Be Extended To Back Of Sidewalk With 3" Dia, Plastic Pipe At 2% Slope, Construction Joint To Be

At Each CG-30 And CG-48 Inlet Location, Place A LO Ft. Long #4 Bar Centered Between Back Of The Inlet Structure And Back

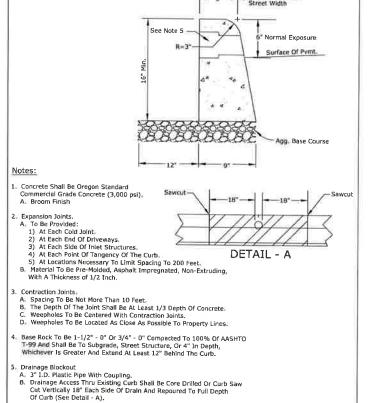


P.C. CONCRETE SIDEWALK DETAIL

DRAWING NO. 2110-ST

REVISED 10-2014

City of Tillamook

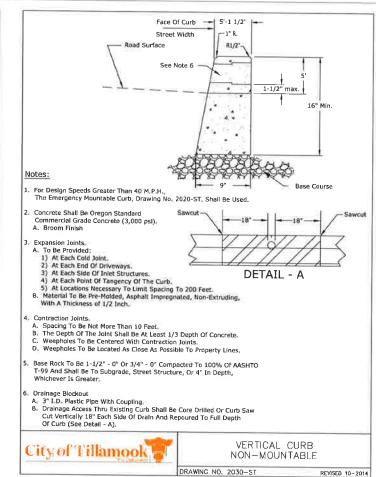


VERTICAL CURB

REVISED 10-2014

EMERGENCY MOUNTABLE

DRAWING NO. 2020-ST







City of Tillamook

CONSULTANT

STAMP

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OR TILLAMOOK COUNTY,

DETAILS

STANDARD

CITY

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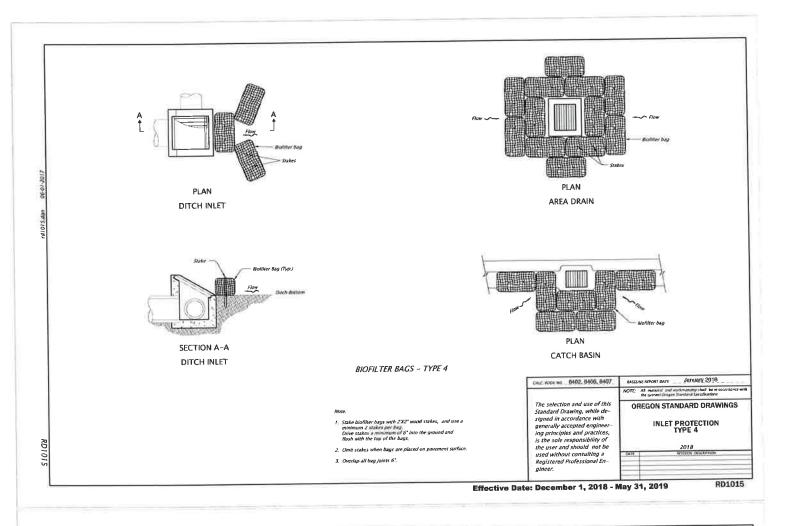
DATE DESCRIPTION

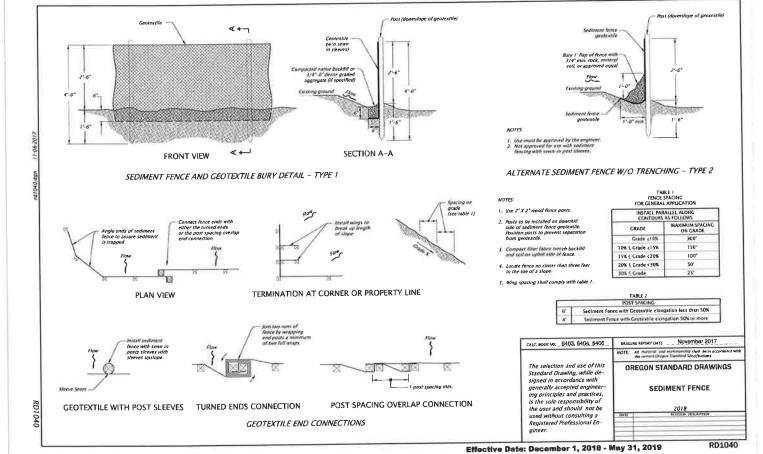
CHECKED BY

DECEMBER 6, 2019 DATE

18695 PROJECT NUMBER

D03 SHEET 35 OF 36







Otak, Inc. 808 SW Third Avenue, Ste. 300 Portland, OR 97204 503, 287, 6825 www.otak.com



REDUCTION PROJECT

EASTSIDE

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TITLE

CONSULTAN

EROSION CONTROL STANDARD DETAILS

TILLAMOOK, TILLAMOOK COUNTY, OR

PEVISIONS

NAVD88 DATUM

TBK DRAWN BY

FINAL DECEMBER 6, 2019 DATE

PROJECT NUMBER

D04

